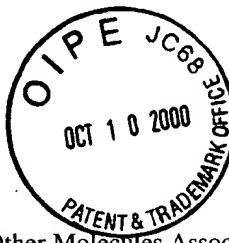


MONSANTO COMPANY
Patent Department, E2NA
800 N. Lindbergh Boulevard
St. Louis, Missouri 63167

RECEIVED
OCT 19 2000
TECH CENTER 1600/2900
OCT 16 2000
R.F.C. CENTER 1600/2900

FORM PTO-1083

In re application of: Dane K. FISHER *et al.*
Application No.: 09/394,745
Filed: September 15, 1999
For: Nucleic Acid Molecules and Other Molecules Associated with Plants



Attorney Docket No.: 38-21(15454)B

COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Sir:

Transmitted herewith is an amendment in the above-identified application.

Small entity status of this application under 37 C.F.R. § 1.19 and § 1.27 has been established by a statement previously submitted.
 A statement to establish small entity status under 37 C.F.R. § 1.9 and § 1.27 is enclosed.
 No additional claim fee is required.

The claim fee has been calculated as shown below:

| | (Col. 1) | (Col. 2) | (Col. 3) |
|---|----------------------------------|---------------------------------|---------------|
| | Claims Remaining After Amendment | Highest No. Previously Paid For | Present Extra |
| Total Claims | * 4 | MINUS ** 20 | = 0 |
| Indep. Claims | * 2 | MINUS ** 3 | = 0 |
| <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM | | | |

| SMALL ENTITY | |
|------------------|----------------|
| Rate | Additional Fee |
| x 9 = | |
| x 40 = | |
| + 135 = | |
| Total Addit. Fee | |

| OTHER THAN A SMALL ENTITY | |
|---------------------------|----------------|
| Rate | Additional Fee |
| x 18 = | \$ 0.00 |
| x 80 = | \$ 0.00 |
| + 270 = | |
| TOTAL | \$ 0.00 |

* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed.

Please charge my Deposit Account No. 13-4125 in the amount of \$ _____ referencing docket number _____.
A duplicate copy of the sheet is attached.

Check number _____ in the amount of \$ _____ is attached.

The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 13-4125 referencing document number 38-21(15454)B. A duplicate copy of this sheet is attached.

Any filing fees under 37 C.F.R. § 1.16 for the presentation of extra claims.

Any patent application processing fees under 37 C.F.R. § 1.17.

Linda T. Parker

D. R. Marsh

Date: October 10, 2000

Linda T. Parker (Reg. No. 46,046), Agent for Applicants
by David R. Marsh (Reg. No. 41,408)



October 10, 2000

Commissioner for Patents
Washington, DC 20231



Re: U.S. Utility Application No. 09/394,745

Filed: September 15, 1999

For: Nucleic Acid Molecules and Other
Molecules Associated with Plants

Inventors: Dane K. FISHER *et al.*

Atty. Docket: 38-21(15454)B

RECEIVED
OCT 19 2000

1299 PENNSYLVANIA AVE., NW
WASHINGTON, DC 20004-2402
PHONE 202.783.0800
FAX 202.383.6610
A LIMITED LIABILITY PARTNERSHIP

Attention: Box Non-Fee-Amendment

RECEIVED
OCT 16 2000
TECH CENTER 1600/2900
TECH CENTER 1600/2900

Sir:

Transmitted herewith for appropriate action by the U.S. Patent and Trademark Office (PTO) are the following documents:

1. Form PTO-1083 (in duplicate);
2. Preliminary Amendment; and
3. Return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sincerely,

David R. Marsh (Reg. No. 41,408)

Enclosures

777/A
PJ 5/14/01

RECEIVED
OCT 19 2000
TECH CENTER 1600/2800

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Dane K. FISHER *et al.*

Appln. No.: 09/394,745

Filed: September 15, 1999

For: Nucleic Acid Molecules and Other
Molecules Associated with Plants



Art Unit: 1631

Examiner: S. Siu

Atty. Docket: 38-21(15454)B

Preliminary Amendment

Box NON-FEE AMENDMENT

Commissioner for Patents

Washington, D.C. 20231

Sir:

Please enter the following preliminary amendment

Cancel original claims 1-7 and enter new claims 8-11.

A1

Sub B1

--8. A microarray having a substrate with a surface comprising 10^3 nucleic acid molecules or more where at least 10% of the nucleic acid molecules are different and at least about 250 nucleotide residues and complementary to a molecule having a sequence selected from the group consisting of SEQ ID NO: 5776 and SEQ ID NO: 5781 and SEQ ID NO: 5782 and SEQ ID NO: 5783 and SEQ ID NO: 5786 and SEQ ID NO: 5787 and SEQ ID NO: 5800 and SEQ ID NO: 5815 and SEQ ID NO: 5818 and SEQ ID NO: 5821 and SEQ ID NO: 5823 and SEQ ID NO: 5828 and SEQ ID NO: 5830 and SEQ ID NO: 5836 and SEQ ID NO: 5838 and SEQ ID NO: 5840 and SEQ ID NO: 5845 and SEQ ID NO: 5849 and SEQ ID NO: 5850 and SEQ ID NO: 5851 and SEQ ID NO: 5859 and SEQ